

Final

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEP 12 2006

App. No.:	10/735,698	Conf. No.:	3544
Applicants:	Sang-Chul Lee	Examiner:	Hoan C. Nguyen
Filed:	12/16/2003	Art Unit:	2871
Title:	Display Device	Ref. No.	LW5009US(DV)(CA)/SJ
Docket No.:	AB-1625-2C US		

Via Facsimile to (571) 273-8300Irvine, CA  
September 12, 2006Mail Stop: AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**PRE-APPEAL-BRIEF REQUEST FOR REVIEW**

Sir:

The Applicant requests review of the final rejection in the above-identified application.  
No amendments are being filed with this request.

This request is being filed with a timely Notice of Appeal.

The claims that are at issue are listed in an Appendix hereto.

The review is requested for the reasons stated on the attached sheets, beginning at page 2 hereof.

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Pre-Appeal Brief Request for Review  
In Re Final Office Action of Jun. 12, 2006

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Ref. No. LW5009US(DV)(CA)/SJ

### **REASONS FOR REQUEST**

Eighteen claims (13-30) are pending in this application. In the final Office action of 06/12/06, the Examiner rejected all 18 claims, and made this rejection final. The Applicant respectfully requests a formal review by a Panel of examiners prior to the filing of an appeal brief of the final rejection of claims 13-30 for the reasons that follow. A listing of the finally rejected claims is attached hereto as an Appendix.

In Section 1 of the Office action, the Examiner rejected claims 13-20 and 25-30 under 35 U.S.C. 102(b) as being anticipated by Ueda et al. (US5838412), stating, in pertinent part,

“Ueda et al. teach ... a grounding protrusion (HS and CHD as Fig. 26 shown, SLD2 as Fig. 28 shown) formed on surface of said printed circuit board FPC2 ... [w]herein ... the ground protrusion is protruded higher than any other components formed on the surface.” (Emphasis added.)

However, a thorough review of the Ueda et al. reference reveals that nowhere in the specification is it taught or even suggested that the purported “ground protrusion (HS and CHD in FIG. 26 and SLD2 in FIG. 28)” is protruded higher than any other components formed on the surface in the specification, and further, the same should not be inferred from the drawings of FIGS. 26 and 28 according to MPEP §2125, which states, “**PROPORTIONS OF FEATURES IN A DRAWING ARE NOT EVIDENCE OF ACTUAL PROPORTIONS WHEN DRAWINGS ARE NOT TO SCALE.**”

Therefore, and contrary to the Examiner's erroneous assertion above, Ueda et al. do not teach or suggest this distinguishing limitation, which is found in both independent claims 13 and 18 of the instant application (see Appendix), and accordingly, the above rejection is untenable and should be reversed by the Panel.

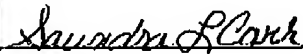
In Section 2 of the final Office action, the Examiner rejected claims 22-24 and 30 under 35 U.S.C. 103(a) as being unpatentable over Ueda et al. (US5838400A) [*sic* – believed to refer to Ueda et al., US5838412 above], as applied to claims 13-21 and 25-29 above, in view of Kiyono et al. (US4705959A). However, an examination of the Kiyono et al. reference reveals that it does not cure the deficiencies in teaching of Ueda et al. discussed above *vis-à-vis* independent claims 13 and 18, from which claims 22-24 and 30 depend.

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In light of the foregoing, it is respectfully submitted that claims 13-30 are allowable over the art of record. Applicant therefore respectfully requests that the Panel reverse the Examiner's rejection of claims 13-30 and that a timely Notice of Allowance be issued in this case.

If there are any questions regarding this request, the Panel is invited to contact the undersigned at the number below.

Certification of Facsimile Transmission	
I hereby certify that this paper is being facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.	
 Sandra L. Carr	September 12, 2006 Date of Signature

Respectfully submitted,



Don C. Lawrence  
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Encl.: Notice of Appeal.

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**Appendix – Listing of Claims**

1. – 12. (cancelled)

13. (finally rejected) A display device, comprising:

a mold frame including a series of optical sheets;

a bottom chassis assembled to said mold frame;

a top chassis assembled to said mold frame;

a display panel positioned between said bottom chassis and said top chassis;

a printed circuit board (PCB) connected to said display panel; and,

a grounding protrusion formed on a surface of said PCB,

wherein the ground protrusion is protruded higher than any other components formed on the surface.

14. (finally rejected) The display device according to claim 13, wherein said mold frame accommodates a lamp assembly and a reflector.

15. (finally rejected) The display device according to claim 14, wherein said display panel is positioned onto said optical sheets.

16. (finally rejected) The display device according to claim 15, wherein said PCB is connected to said display panel via a tape carrier package (TCP), and fixed to said bottom chassis by a fixing means.

17. (finally rejected) The display device according to claim 16, wherein said grounding protrusion is formed on said PCB where a signal transmission pattern is not formed.

18. (finally rejected) A display device, comprising:

a chassis;

a display panel assembled with the chassis;

a printed circuit board (PCB) connected to the display panel; and,

a ground protrusion formed on a surface of the PCB,

wherein the ground protrusion is protruded higher than any other components formed on the surface.

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19. (finally rejected) The display device of claim 18, wherein the PCB comprises a grounding pattern, the ground protrusion being protruded from the grounding pattern.

20. (finally rejected) The display device of claim 19, wherein the PCB further comprises a driving integrated circuit (IC) and a signal transmission pattern.

21. (finally rejected) The display device of claim 19, wherein the PCB is attached on the chassis.

22. (finally rejected) The display device of claim 21, wherein the PCB has a screw hole and is attached to the chassis by a screw.

23. (finally rejected) The display device of claim 22, wherein the screw hole is formed on a corner of the PCB.

24. (finally rejected) The display device of claim 21, wherein the ground protrusion is in direct contact with the chassis.

25. (finally rejected) The display device of claim 18, further comprising a tape carrier package (TCP) coupled between the display panel and the PCB.

26. (finally rejected) The display device of claim 18, further comprising a mold frame assembled with the chassis.

27. (finally rejected) The display device of claim 18, further comprising a backlight assembly unit.

28. (finally rejected) The display device of claim 27, wherein the backlight assembly unit comprises a lamp, a reflector and an optical sheet.

29. (finally rejected) The display device of claim 28, wherein the backlight assembly unit further comprises a light guiding plate.

30. (finally rejected) The display device of claim 19, wherein the PCB further comprises a via hole.